

## Claims

1 1. A system having a table of keys for synchronizing related data elements

2 between a first and second storage system, each key comprising:

3 a universal identifier corresponding to a data element in the first and

4 second storage system;

5 a first record identifier corresponding to the data element in the first

6 storage system; and

7 a second record identifier corresponding to the data element stored in the

8 second storage system.

1 2. The system of claim 1, wherein each key further comprises a data element type

2 name corresponding to the data element.

1 3. The system of claim 1, wherein each key further comprises a first system name

2 corresponding to the first storage system.

1 4. The system of claim 3, wherein each key further comprises a second system

2 name corresponding to the second storage system.

1 5. The system of claim 1, wherein each key further comprises storage system  
2 information corresponding to storage of the data element in a particular storage  
3 system.

1 6. The system of claim 1, further comprising a table interface for cross-referencing  
2 and updating the table of keys.

1 7. The system of claim 6, wherein the table interface includes:  
2 an identifier matching system for cross-referencing record identifiers and  
3 universal identifiers; and  
4 a table update system for updating the table.

1 8. The system of claim 7, wherein the table interface further comprises:  
2 a storage information system for accessing information corresponding to  
3 storage of the data element in a particular storage system.

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1 9. A system for synchronizing related data elements between a first and second  
2 storage system, comprising:

3 a header reading system for receiving an instruction from the first storage  
4 system, wherein the instruction has a first header that includes a first identifier;

5 a table interface for accessing a table to identify a second identifier based  
6 on the first identifier;

7 a header generation system for generating a second header corresponding  
8 to the second storage system; and

9 an instruction passing system for passing the instruction and the second  
10 header to the second storage system.

1 10. The system of claim 9, further comprising:

2 a controller for identifying the second storage system.

1 11. The system of claim 10, wherein the cross-referencing system comprises:

2 an identifier matching system for cross-referencing the first identifier with  
3 the second identifier; and

4 a storage information system for determining storage information  
5 corresponding to the second storage system.

1 12. The system of claim 9, wherein the table interface accesses the table to  
2 determine a system name and record identifier for the second system.

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1 13. The system of claim 9, wherein the first identifier is a record identifier  
2 corresponding to the data element in the first storage system, and wherein the  
3 second identifier is a universal identifier corresponding to the data element in the  
4 first and second storage system.

1 14. The system of claim 9, wherein the first identifier is a universal identifier  
2 corresponding to the data element in the first and second storage system, and  
3 wherein the second identifier is a record identifier corresponding to a location of  
4 the data element in the second storage system.

1 15. The system of claim 9, wherein the first header comprises:  
2 the first identifier, wherein the first identifier corresponds to the data  
3 element in the first storage system; and  
4 a storage system name corresponding to the first storage system.

1 16. The system of claim 9, wherein the second header comprises:  
2 the second identifier, wherein the second identifier corresponds to the data  
3 element in the second storage system; and  
4 a storage system name corresponding to the second system.

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1 17. A method for synchronizing related data elements between a first and second  
2 storage system, comprising the steps of:

3 receiving an instruction having a first header from the first storage system,  
4 wherein the first header includes a first identifier;

5 identifying the second storage system;

6 accessing a table to cross-reference the first identifier with a second  
7 identifier;

8 generating a second header that corresponds to the second storage system  
9 and attaching the second header to the instruction; and

10 sending the instruction to the second storage system.

1 18. The method of claim 17, wherein the instruction informs of the creation a new  
2 data element.

1 19. The method of claim 17, wherein the instruction informs of the deletion of an  
2 existing data element.

1 20. The method of claim 17, wherein the instruction informs of the modification  
2 of an existing data element.

1 21. The method of claim 17, wherein the instruction references an existing data  
2 element.

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1 22. The method of claim 17, wherein the first identifier is a record identifier  
2 corresponding to the data element in first storage system, and wherein the second  
3 identifier is a universal identifier corresponding to the data element in the first and  
4 second storage system.

1 23. The method of claim 22, wherein the first header comprises:  
2 the record identifier; and  
3 a first storage system name corresponding to the first storage system.

1 24. The method of claim 23, wherein the second header comprises:  
2 a record identifier corresponding to the data element in the second storage  
3 system; and  
4 a second storage system name corresponding to the second storage system.

1 25. The method of claim 17, wherein the first header comprises a universal  
2 identifier corresponding to the data element in the first and second storage system,  
3 and wherein the second header comprises a record identifier corresponding to the  
4 data element in the second storage system and a storage system name  
5 corresponding to the second storage system.

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1 26. A program product stored on a recordable media for synchronizing related  
2 data elements between a first and second storage system, comprising:  
3 a header reading system for receiving an instruction from the first storage  
4 system, wherein the instruction includes a first header that has a first identifier;  
5 a table interface for accessing a table to identify a second identifier based  
6 on the first identifier;  
7 a header generation system for generating a second header corresponding  
8 to the second storage system; and  
9 an instruction passing system for passing the instruction and the second  
10 header to the second storage system.

1 27. The program product of claim 26, further comprising a controller for  
2 identifying the second storage system.

1 28. The program product of claim 26, wherein the table interface cross-references  
2 the first identifier with the second identifier to identify the second storage system.

1 29. The program product of claim 26, wherein the first header comprises:  
2 the first identifier; and  
3 a storage system name corresponding to the first storage system.

1 30. The program product of claim 26, wherein the second header comprises:  
2 a record identifier corresponding to the data element in the second storage  
3 system; and  
4 a storage system name corresponding to the second storage system.

1 31. The program product of claim 26, wherein the first identifier is a record  
2 identifier corresponding to the data element in the first storage system and  
3 wherein the second identifier is a universal identifier corresponding to the data  
4 element in the first and second storage system.

1 32. The program product of claim 26, wherein the first identifier is a universal  
2 identifier corresponding to the data element in the first and second storage system,  
3 and wherein the second identifier corresponds to the data element in the second  
4 storage system.